

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **04-116104**

(43)Date of publication of application : **16.04.1992**

---

(51)Int.Cl. B22F 3/02  
B22F 3/10

---

(21)Application number : **02-237536** (71)Applicant : **HITACHI METAL PRECISION LTD**

(22)Date of filing : **07.09.1990** (72)Inventor : **IGARASHI SHIGERU  
TSUKAHARA TAKAYUKI**

---

## **(54) PRODUCTION OF MOLDED BODY FOR SINTERING AND SINTERED PARTS**

### **(57)Abstract:**

**PURPOSE:** To shorten the time required to dewax a molded body consisting of metal powder, a binder and a sublimable substance without damaging the molded body by removing the sublimable substance by sublimation before dewaxing.

**CONSTITUTION:** A molded body is formed with metal powder, a binder and 3-15wt.% sublimable substance which is solid at ordinary temp. This molded body is vacuum-treated under ≤50 Torr pressure to sublime the sublimable substance and the resulting porous molded body is dewaxed and sintered. Even when the molded body is rapidly heated, the binder can flow out through the pores and the molded body is not damaged by cracking or swelling. Camphor, naphthalene or dichloro-benzene may be used as the sublimable substance.

---

### **LEGAL STATUS**

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's  
decision of rejection]

[Date of requesting appeal against examiner's  
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office